

NEEDS FOR AND ALTERNATIVES TO (NFAT)

Manitoba Hydro Undertaking #139

Manitoba Hydro to confirm when, if the diversity agreements were extended beyond 2024/25, the earliest required in-service date for Keeyask would be, both from an energy and capacity perspective.

Response:

The following table identifies the need for New Resources based on 2013 planning assumptions with Level 2 DSM and increased pipeline load. The table indicates that should the NSP and GRE Diversity Agreements be extended to the end of the planning horizon the need for new dependable energy resources is extended by 1 year to 2028 and the need for new capacity resources is extended by 7 years to 2037.

When assuming that the NSP Diversity Agreement is extended to the end of the planning horizon, it is also reasonable to assume that the NSP 325/375MW Sale Agreement will also be extended. Extending the NSP Sale Agreement results in a need for new dependable energy resources 3 years earlier in 2024 and defers the need for new winter peak capacity resources by 1 year when compared to the base assumptions.

Need For New Resources
 2013 Assumptions with Level 2 DSM and Increased Pipeline Load

	Dependable Energy	Winter Peak Capacity
Base Assumptions	2027	2030
Diversity Agreement Extension	2028	2037
Diversity Agreement Extension with NSP 375/325 MW Sale Extension	2024	2031